

Water-Data Report 2008

01389765 MOLLY ANN BROOK AT NORTH HALEDON, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°57'11", long 74°11'05" referenced to North American Datum of 1983, North Haledon Borough, Passaic County, NJ, Hydrologic Unit 02030103, on left upstream wingwall of culvert on Overlook Avenue in North Haledon, 0.5 mi upstream from Oldham Pond Dam, and 1.5 mi west of Hawthorne.

SPECIAL NOTE.--Park in the parking lot on left bank adjacent to the bridge over the Molly Ann Brook. During periods when the low-water staff is out of water, use a level and 6-ft rule or RP3 chiseled arrow in center on upstream side of bridge.

Log an inside and outside gage height for all discharge measurements. The current rating was developed for inside, not outside gage heights.

DRAINAGE AREA.--3.89 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Annual maximum, water years 1945, 1979 to current year. Miscellaneous and occasional low-flow measurements, water years 1979-85, 1988 to 2006.

REVISED RECORDS.--WDR-US-2007: 1979-84 (M). 1986-89 (M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 209.68 ft above NGVD of 1929.

REMARKS.--Satellite stage telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 970 ft³/s (from rating curve extended above 240 ft³/s on basis of culvert computation peak flow), May 16, 1990, gage height, 10.93 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 3,100 ft³/s (computed by State Water Policy Commission at Squaw Lake Dam, 0.2 mi upstream of gage), Jul 23, 1945, gage height, not determined.

PEAK DISCHARGES FOR CURRENT YEAR.--Maximum discharge, 617 ft³/s, Sep 6 at 1815, gage height, 6.66 ft.